Matthew Coady

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Education

Bachelor of Engineering - Electrical Engineering (Co-op) Class of 2028

Memorial University of Newfoundland, St. John's, NL

Technical Skills

Electrical Tools: Oscilloscope, Multimeter, Signal Generator, Soldering

Software: Revit, AutoCAD, Altium Designer, PSpice, Microsoft Office Suite

Programming: Python, MATLAB, C++, Assembly, Arduino IDE, Git

Work Experience

Lead Engineer - Nova Rocketry - St. John's, NL Aug. 2026 - Present

- Co-founded and structured a new student rocketry organization, recruiting a dedicated team to compete at the Launch Canada national competition
- Leading project planning, including engineering design choices, financial strategy, and administrative duties
- Actively pursuing long term partnerships with industry leaders and faculty members

Electrical Engineering Co-op Student - Stantec - St. John's, NL May - Sept. 2026

- Developed electrical layouts, load calculations, and design deliverables under the guidance of professional engineers
- Assisted with electrical system design and documentation for building projects using Revit
- Collaborated with multidisciplinary project teams to coordinate electrical systems with architectural, structural, and mechanical designs
- Participated in a global intern program involving concept development, engineering design, and client presentations

Avionics Team Member - Horizon Aerospace - St. John's, NL Oct. 2025 - Aug. 2026

- Designed and modified PCBs for student-built rocket avionics using Altium
- Selected and integrated sensors and peripherals to function in STM32-based avionics systems
- Created clear schematics and design documentation to support team-wide development and review

Youth Outreach Mentor - Memorial University of Newfoundland - St. John's, NL Sept. - Dec. 2025

- Designed and delivered hands-on engineering workshops to students in grades 2-12, covering coding, 3D modelling, circuitry, and robotics
- Represented the faculty of engineering at outreach events, speaking to upwards of 200+ attendees